

APPENDIX A: VERSION WITH MARKINGS TO SHOW CHANGES

1. (Thrice Amended) A contoured structural member, comprising:  
an inner section having a continuous plurality of contoured layers comprising a metal-containing material;  
an outer section having a continuous plurality of contoured layers comprising a metal-containing material; and  
at least one intermediate layer having a [ribbed] honeycomb structure connecting the inner section and the outer section.

4. (Thrice Amended) A contoured structural member, comprising:  
a plurality of contoured inner layers comprising a metal-containing material;  
a plurality of contoured outer layers comprising a metal-containing material; and  
at least one intermediate layer having a [ribbed] honeycomb structure connecting the [at least one] plurality of inner layers and the [at least one] plurality of outer layers;  
wherein the plurality of contoured inner layers is formed of a continuous sheet, the plurality of contoured outer layers is formed of a continuous sheet, or the plurality of inner contoured layers and the plurality of contoured outer layers are both formed from continuous sheets.

9. (Twice Amended) The structural member of claim 1, wherein the metal-containing material in the inner and outer sections are the same.

21. (Thrice Amended) A method for making a contoured structural member, comprising:  
providing an inner section containing a layer comprising a metal-containing material;  
roll wrapping at least one intermediate layer over the inner section, the at least one intermediate layer having a [ribbed] honeycomb structure; and

providing an outer section over the at least one intermediate layer, the outer section containing a layer comprising a metal-containing material; and

connecting the inner and outer sections to the at least one intermediate layer;

wherein the inner section contains a plurality of layers, the outer section contains a plurality of layers, or the inner and outer sections contain a plurality of layers.

22. (Thrice Amended) A method for making a contoured structural member, comprising:

roll wrapping at least one inner layer comprising a metal-containing material over a substrate, wherein the at least one inner layer comprises a plurality of layers;

roll wrapping at least one intermediate layer over the at least one inner layer, the at least one intermediate layer having a [ribbed] honeycomb structure;

roll wrapping at least one outer layer over the at least one intermediate layer, the at least one outer layer comprising a metal-containing material; and

connecting the at least one inner and outer layer to the at least one intermediate layer.

23. (Thrice Amended) A method for making a contoured structural member, comprising:

roll wrapping at least one inner layer comprising a metal-containing material over a substrate;

roll wrapping at least one intermediate layer over the at least one inner layer, the at least one intermediate layer having a [ribbed] honeycomb structure; and

roll wrapping at least one outer layer over the at least one intermediate layer, the at least one outer layer comprising a metal-containing material, wherein the at least one outer layer comprises a plurality of layers; and

connecting the at least one inner and outer layer to the at least one intermediate layer.

24. (Amended) The method of claim [23] 21, further including providing the inner section and then removing the substrate after the connection.

26. (Amended) The method of claim 25, further including constraining the [at least one] outer [layer] section when connecting the [at least one] inner and [at least one] outer [layer] section to the at least one intermediate layer prior to removing the substrate.

27. (Amended) The method of claim 26, including constraining the [at least one] outer [layer] section by roll wrapping at least one layer of a shrink-wrap material over the [at least one] outer [layer] section.

28. (Amended) The method of claim 27, including removing the at least one layer of the shrink-wrap material after the [reaction] connection.

29. (Amended) The method of claim 27, further including providing at least one pressure distributor over the [at least one] outer [layer] section.

31. (Twice Amended) A method for making a contoured structural member, comprising:

roll wrapping at least one inner layer comprising a metal-containing material over a substrate;

roll wrapping at least one intermediate layer over the at least one inner layer, the at least one intermediate layer having a ribbed structure; and

roll wrapping at least one outer layer covering the at least one intermediate layer, the at least one outer layer comprising a metal-containing material;

connecting the at least one inner and outer layers to the at least one intermediate layer;  
and

removing the substrate;

wherein the at least one inner [section] layer contains a plurality of layers, the at least one outer [section] layer contains a plurality of layers, or the at least one inner and outer [sections] layers contain a plurality of layers.

32. (Twice Amended) A method for making a contoured structural member, comprising:

roll wrapping at least one inner layer comprising a metal-containing material over a substrate;

roll wrapping at least one intermediate layer over the at least one inner layer, the at least one intermediate layer having a ribbed structure; and

roll wrapping at least one outer layer covering the at least one intermediate layer, the at least one outer layer comprising a metal-containing material;

constraining the at least one outer [portion] layer with a shrink-wrap material;

connecting the at least one inner and outer layers to the at least one intermediate layer;

and

removing the shrink-wrap material and the substrate;

wherein the at least one inner [section] layer contains a plurality of layers, the at least one outer [section] layer contains a plurality of layers, or the at least one inner and outer [sections] layers contain a plurality of layers.

33. (Twice Amended) A method for making a contoured structural member, comprising:

roll wrapping at least one inner layer comprising a metal-containing material over a substrate;

roll wrapping at least one intermediate layer having a honeycomb structure to be substantially contiguous with the at least one inner layer; and

roll wrapping at least one outer layer to be substantially contiguous with the at least one intermediate layer, the at least one outer layer comprising metal-containing material;

constraining the at least one outer [portion] layer with a shrink-wrap material;

connecting the at least one inner and outer layers to the at least one intermediate layer;

and

removing the shrink-wrap material and the substrate;

wherein the at least one inner [section] layer contains a plurality of layers, the at least one outer [section] layer contains a plurality of layers, or the at least one inner and outer [sections] layers contain a plurality of layers.

34. (Thrice Amended) A contoured structural member made by the method comprising:

providing at least one inner layer using a continuous sheet comprising a metal-containing material;

roll wrapping at least one intermediate layer over the at least one inner layer, the at least one intermediate layer having a [ribbed] honeycomb structure; and

providing at least one outer layer over the at least one intermediate layer, the at least one outer layer containing a continuous sheet comprising a metal-containing material; and

connecting the at least one inner and outer layers to the at least one intermediate layer;

wherein the at least one inner [section] layer contains a plurality of layers, the at least one outer [section] layer contains a plurality of layers, or the at least one inner and outer [sections] layers contain a plurality of layers.

35. (Thrice Amended) A contoured structural member made by the method comprising:

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roll wrapping at least one inner layer using a continuous sheet comprising a metal-containing material over a substrate;

roll wrapping at least one intermediate layer over the at least one inner layer, the at least one intermediate layer having a [ribbed] honeycomb structure; and

roll wrapping at least one outer layer covering the at least one intermediate layer, the at least one outer layer containing a continuous sheet comprising a metal-containing material;

constraining the at least one outer [portion] layer with a shrink-wrap material;

connecting the at least one inner and outer layers to the at least one intermediate layer;

and

removing the shrink-wrap material and the substrate;

wherein the at least one inner [section] layer contains a plurality of layers, the at least one outer [section] layer contains a plurality of layers, or the at least one inner and outer [sections] layers contain a plurality of layers.

36. (Thrice Amended) A contoured structural member made by the method comprising:

roll wrapping at least one inner layer using a continuous sheet comprising a metal-containing material over a substrate;

roll wrapping at least one intermediate layer having a honeycomb structure to be substantially contiguous with the at least one inner layer; and

roll wrapping at least one outer layer to be substantially contiguous with the at least one intermediate layer, the at least one outer layer containing a continuous sheet comprising a metal-containing material;

constraining the at least one outer [portion] layer with a shrink-wrap material;

connecting the at least one inner and outer layers to the at least one intermediate layer;  
and

removing the shrink-wrap material and the substrate;

wherein the at least one inner [section] layer contains a plurality of layers, the at least one outer [section] layer contains a plurality of layers, or the at least one inner and outer [sections] layers contain a plurality of layers.